

Abstract

A wheel rim device with patterned light capable of automatically generating electric power has a wheel rim, an automatic generating assembly, a rectifier/filter circuit, a circuit board, a programmable chip and several light emitting components. The automatic generating assembly is accommodated on an end face of a wheel axle of the wheel rim. The circuit board is disposed on a wheel spoke of the wheel rim. The rectifier/filter circuit, the programmable chip and the light emitting components are disposed on the circuit board. Input terminals of the rectifier/filter circuit are connected to lead-out wires of the automatic generating assembly. The programmable chip has a power source terminal, a trigger terminal and several I/O terminals. The power source terminal is connected with the output terminal of the rectifier/filter circuit. Each of the I/O terminals is connected with one of the light emitting components.